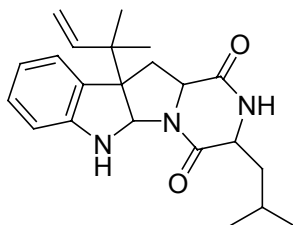


Brevicompanine B

Code: **BIA-B1176**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS # : **215121-47-4**
Molecular Formula : **C₂₂H₂₉N₃O₂**
Molecular Weight : **367.5**
Source : ***Penicillium* sp. MST-FP1766**
Appearance : **White crystals**
Purity : **> 99% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Brevicompanine B is a diketopiperazine related metabolite produced by *Penicillium* and *Aspergillus* species. Brevicompanine B was found to be active against the malaria parasite *Plasmodium falciparum* and has been demonstrated to show pronounced plant growth regulatory activity but is devoid of antifungal or antibacterial activity.

References

1. Janoxepin and brevicompanine B: antiplasmodial metabolites from the fungus *Aspergillus janus*. Sprogoe K. et al. *Tetrahedron* **2005**, 61, 8718.
2. Brevicompanines A and B: new plant growth regulators produced by the fungus, *Penicillium brevicompectum*. Kusano M. et al. *J. Chem. Soc., Perkin Trans.* **1998**, 2823